

DIRECT TESTIMONY
OF
ROCHELLE LANGFELDT
FINANCE DEPARTMENT
FINANCIAL ANALYSIS DIVISION
ILLINOIS COMMERCE COMMISSION

CONSUMERS GAS COMPANY

Docket Nos. 00-0575/00-0618
(Consolidated)

DECEMBER 22, 2000

1 1. Q. Please state your name and business address.

2 A. My name is Rochelle Langfeldt and my business address is 527 East
3 Capitol Avenue, Springfield, Illinois 62701.

4

5 2. Q. By whom are you employed and in what capacity?

6 A. I am employed by the Illinois Commerce Commission ("Commission") as a
7 Financial Analyst in the Finance Department of the Financial Analysis
8 Division.

9

10 3. Q. Please briefly describe your work duties with the Illinois Commerce Com-
11 mission.

12 A. My responsibilities include performing analyses and providing expert witness
13 testimony on the cost of capital and related financial issues in docketed
14 cases before the Commission.

15

16 4. Q. Please state your education background and work experience.

17 A. In May 1998, I received a Bachelor of Arts degree in Finance from Illinois
18 College in Jacksonville, Illinois. In May 2000, I received a Master of
19 Business Administration degree from the University of Illinois at Springfield. I
20 have been employed by the Illinois Commerce Commission since June
21 2000.

22

23 5. Q. What is the purpose of your testimony in this proceeding?

24 A. The purpose of my testimony is to present my analysis of Consumers Gas
25 Company's ("Consumers" and "Company") cost of capital and recommen-
26 dation for a fair rate of return on rate base.

27

28 **Cost of Capital**

29 6. Q. Please summarize your cost of capital findings.

30 A. The overall cost of capital for Consumers is 10.81% as shown on Schedule
31 3.7.

32

33 7. Q. Please define the overall cost of capital for a public utility.

34 A. The overall cost of capital for a public utility represents the investor-required
35 rate of return for equivalent investment alternatives in the capital market. The
36 overall cost of capital equals the sum of the costs of the components of the
37 capital structure after weighting each according to its proportion to total
38 capitalization.

39

40 8. Q. Why must one determine the overall cost of capital for a public utility?

41 A. A primary goal of regulation is to properly balance the interests of a utility's
42 ratepayers and investors. This is accomplished by minimizing the cost of
43 reliable service to ratepayers while allowing utilities to earn a fair and
44 reasonable rate of return on rate base. In effect, regulation determines an

allowable rate of return for public utilities that equals the investor-required rate of return for unregulated companies with similar risk characteristics.

When public utilities charge rates that reflect an authorized rate of return that exceeds the cost of capital, consumers are encumbered with excessive prices. Conversely, when public utilities charge rates that reflect an authorized rate of return that is below the cost of capital, the financial integrity of the utility suffers, making it difficult for the utility to attract capital at a reasonable cost. Ultimately, the utility's inability to raise sufficient capital would impair service quality. Consumers are best served when the authorized rate of return on rate base equals the overall cost of capital.

Capital Structure

9. Q. How does a public utility's capital structure affect the overall cost of capital?

A. An optimal capital structure would result in the lowest possible overall cost of capital. Although increasing the proportion of debt capital increases the risk of the company, and consequently, the cost of each capital component, the overall cost of capital declines due to the tax-deductibility of interest payments; however, as the use of debt increases, the costs of default increase as well. Eventually, the costs of default exceed the benefits of tax-deductibility of interest payments, resulting in an increasing cost of capital.

66 Conversely, the increasing use of equity decreases the degree of financial
67 risk for a company, thereby decreasing the cost of each capital component.
68 However, since returns to equity holders are not tax deductible, the excessive
69 use of equity would result in an unnecessarily high cost of capital.

70
71 While there are advantages to employing both debt and equity capital, the
72 excessive use of either can be detrimental to the cost of capital of a public
73 utility. While the management of public utilities is responsible for raising the
74 necessary capital, regulators should assess the capital structure of public
75 utilities to ensure the ratepayers are not paying unreasonable rates due to an
76 unreasonable capital structure.

77
78 10. Q. What capital structure did Consumers propose to use for ratemaking pur-
79 poses?

80 A. For ratemaking purposes, Consumers proposed a capital structure com-
81 prised of 39.81% long-term debt, 6.86% short-term debt, 7.82% preferred
82 equity and 45.52% common equity. The capitalization ratios relating to debt
83 were derived from a 13-month historical average while preferred equity ratio
84 was measured as of December 31, 1999.¹

85 The common equity ratio is comprised of the December 31, 1999, retained
86 earnings balance, plus an estimated addition to the common equity balance

¹ Company Schedule D-1.

87 of \$70,071. This addition to the common equity balance represents the
88 average increase in retained earnings for the period of 1991 through 1999,
89 which the Company assumed would remain the same in 2000.² The
90 Company's proposed capital structure appears on Schedule 3.7.

91
92 11. Q. Are there any problems with Consumers' proposed capital structure for
93 ratemaking purposes?

94 A. Yes. Foremost, this capital structure, which is based on the historical
95 average capital structure, does not reflect the current capital structure of
96 Consumers. In May 2000, all of Consumers' outstanding debts were con-
97 solidated into a five-year line of credit. Thus, since May 2000, the Company
98 has no outstanding short-term debt; rather, the Company will use the five-
99 year line of credit for future short-term borrowing requirements.³ However,
100 the Company included short-term debt in the proposed capital structure.

101
102 Second, the Company is inconsistent in measuring the ratios of the capital
103 structure components. The Company's proposed capital structure includes a
104 preferred stock balance from December 31, 1999, short and long-term debt
105 ratios based on 13-month average balances for 1999, and a common equity
106 ratio based on the December 31, 1999, balance, plus a forecasted addition
107 to retained earnings.

² Company response to data request RL 1.08, attached as ICC Staff Exhibit 3.0, Attachment 3.8.

108
109 Finally, the Company incorrectly measures both the preferred equity and
110 common equity components of the capital structure. Company Schedule D-1
111 shows a preferred equity balance of \$185,000; however, this balance
112 ignores the Treasury stock balance of (\$2,500), which is also shown on
113 Company Schedule D-1. The preferred equity balance for the Company's
114 proposed capital structure should be \$182,500, as shown on Company
115 Schedule D-4.

116
117 The common equity component of the Company's proposed capital structure
118 is measured incorrectly for two reasons. First, the Company did not include
119 the common stock balance of \$125,000 in the common equity balance of
120 \$1,007,140. Second, the Company included additional retained earnings of
121 \$70,071 in the common equity balance for the proposed capital structure.⁴
122 The addition to common equity is problematic because (1) the amount of
123 additional retained earnings is not known and measurable, (2) the Company
124 provides insufficient support for this forecast, and (3) the forecasted addition
125 to the common equity balance is inconsistent with the other components of
126 the capital structure, since none of the other capital components are adjusted
127 to reflect forecasted changes in their balances. For example, as of October
128 31, 2000, Consumers had a long-term debt balance of \$1,291,286 and a

³ Company response to data request RL 1.6, attached as ICC Staff Exhibit 3.0, Attachment 3.9.

short-term debt balance of zero. However, the Company's proposed capital structure relies on a historical average for each debt balance, using a long-term debt balance of \$942,220 and a short-term debt balance of \$162,308.⁵

12. Q. What capital structure is appropriate for setting Consumers' overall rate of return on rate base?

A. Because this proceeding will set rates for future service, under ideal circumstances, the capital structure components should be developed from the best available estimates for the period during which the rates will remain in effect. June 30, 2000, represents the most recent date for which I have balances for each component of Consumers' capital structure. As of June 30, 2000, Consumers' capital structure comprised 39.83% debt, 53.35% common equity and 6.82% preferred equity.⁶ These capitalization ratios are consistent with the ratios of A-rated gas distribution utilities.⁷ Staff's proposed capital structure appears on Schedule 3.7.

Cost of Long-Term Debt

13. Q. What is the cost of long-term debt capital for Consumers?

⁴ Company Schedule D-1.

⁵ Company response to data request RL 4.1, attached as ICC Staff Exhibit 3.0, Attachment 3.10.

⁶ Company response to data request RL 1.02, Docket No. 00-0584, attached as ICC Staff Exhibit 3.0, Attachment 3.11.

⁷ Standard & Poor's Global Utilities Rating Service, *Financial Median Gas Distributors*, March 2000.

147 A. Consumers' debt capital is in the form of a bank loan and a line-of-credit,
148 with a variable interest rate equal to the prime rate. Currently, Consumers'
149 debt bears an interest rate equal to 9.5%.

150
151 **Cost of Preferred Stock**

152 14. Q. What is the embedded cost of preferred stock?

153 A. I agree with the Company that the embedded cost of preferred stock at June
154 30, 2000, is 6.00%.⁸

155
156 **Cost of Common Equity**

157 15. Q. How did you measure the cost of common equity for Consumers?

158 A. I estimated the cost of common equity using the discounted cash flow
159 ("DCF") and risk premium models. Because Consumers' common stock is
160 not market traded, these models cannot be directly applied to Consumers.
161 Instead, I applied those models to a gas utility sample. I then adjusted the
162 sample's cost of common equity for the additional return that investors
163 require for investing in an illiquid investment such as Consumers' common
164 stock.

⁸ Company Schedule D-4.

Sample Selection

16. Q. How did you select a sample of public utilities comparable in risk to Consumers?

A. The market-required rate of return on common equity is a function of operating and financial risk. Thus, the method used to select a sample should reflect both the operating and financial characteristics of a firm. The ratios I used to select a sample are: (1) cash flow to capitalization ratio; (2) cash flow to total debt ratio; (3) common equity ratio; (4) expenditures to net utility plant ratio; (5) fixed asset turnover ratio; (6) free cash flow to capitalization ratio; (7) funds flow interest coverage ratio; (8) net cash flow to expenditures ratio; (9) operating profit margin ratio; (10) operating revenue stability ratio; and, (11) operating income before income taxes stability ratio. The last two ratios were measured with the coefficient of determination of a least-squares regression of the natural logarithm of their respective quarterly data against time.⁹ The stability ratios were measured over the period 1996 - 1999.¹⁰ Data from the period 1997 - 1999 were averaged to normalize the remaining ratios.

I began with all market-traded electric, natural gas, and water companies on *Standard & Poor's Utility Compustat* data tapes. Among those utilities, 119

⁹ Dummy variables were added to the regression model to incorporate seasonality.

¹⁰ Staff usually measures stability ratios over a five-year period; however, the Company could not provide reliable data for the fifth year, 1995 (Company response to Staff data request RL 1.5, attached as ICC Staff Exhibit 3.0, Attachment 3.12).

185 had sufficient data to permit the calculation of the 11 ratios. Next, I
186 conducted a principal components analysis of the financial and operating
187 ratios. Principal components constitute linear combinations of optimally-
188 weighted variables that are uncorrelated with one another.^{11,12} For each
189 utility in the data base, the principal components analysis calculates values
190 for each component, known as principal components scores, which have a
191 mean of zero and a standard deviation of one. From the principal
192 components analysis, I retained four components, or risk indicators, for risk
193 analysis. After calculating the scores for each principal component, I rank-
194 ordered the companies in terms of least relative distance from Consumers'
195 target ratios. Distance was measured by calculating the difference between
196 each principal component score for each firm and Consumers, summing
197 these squared distances and then taking the square root of the summation.
198 Schedule 3.1 presents Consumers and the eight public utilities the least
199 distance from, and therefore, the most comparable to, Consumers that met
200 two criteria: (1) have growth rates published by either Institutional Brokers
201 Estimate Systems ("IBES") or Zacks Investment Research ("Zacks"); and (2)
202 have neither pending nor recently completed significant mergers,

¹¹ A principal component can be described mathematically as follows:

$$c_i = (b_{i1})(x_1) + (b_{i2})(x_2) + \dots + (b_{in})(x_n)$$

Where c_i = the utility's score on principal component i ;
 b_{in} = the weight for ratio x_n to create component c_i ; and
 x_n = the utility's value on ratio n .

203 acquisitions, or divestitures. Schedule 3.1 also presents the four principal
204 component scores and the cumulative distance for Consumers and the
205 companies composing the comparable sample.

206
207 **DCF Analysis**

208 17. Q. Please describe DCF analysis.

209 A. The DCF model establishes a security's value from investor requirements.
210 According to the DCF model, the value of a given security is equal to the
211 present value of its expected future cash flows. The DCF model assumes
212 the market value of common stock is equal to the sum of the expected future
213 dividends, discounted at the investor-required rate of return.

214
215 A basic tenet of the Efficient Market Hypothesis is that the current market
216 price of a security is equal to the true economic value of that security. The
217 Efficient Market Hypothesis posits that a security's market price reflects all
218 available information about the value of a security including the business and
219 financial risks affecting a firm's cash flows. As DCF analysis relies on the
220 market price of a security, direct measurement of that security's investment
221 risk is unnecessary.

222

¹² The variables are optimally weighted when the resulting principal components explain the maximum amount of variance in the data base.

18. Q. Please describe the DCF model with which you measured the gas utility sample's investor-required rate of return on common equity.

A. The DCF model incorporates time-sensitive valuation factors. Using stock prices, which are based on quarterly dividend payments, in a model that ignores the time value of quarterly cash flows is a misapplication of DCF analysis. Therefore, to estimate the cost of equity for Consumers, I used the following DCF model:

$$k = \frac{\sum_{q=1}^4 D_{0,q} (1+g)(1+k)^{1-[x+0.25(q-1)]}}{P} + g.$$

Where:

P = the current stock price;

$D_{0,q}$ = the last dividend paid at the end of quarter q , where $q=1$ to 4;

k = the cost of common equity;

x = the elapsed time between the stock observation and first dividend payment dates, in years; and

g = the expected dividend growth rate.

The model accurately reflects the timing of the quarterly dividend payments of the firms in the gas utility sample. Dividends are modeled to grow at a constant rate and the market value of common stock (i.e., stock price) equals the sum of the discounted value of each dividend.

243

244 19. Q. How did you estimate the growth rate parameter?

245 A. The actual growth expectations of investors cannot be measured directly.
246 Therefore, I averaged the mean long-term growth rate estimates published
247 by IBES and Zacks, which summarize the growth forecasts of financial
248 research analysts employed by brokerage companies. The IBES and Zack's
249 growth rate estimates, and their average for the gas utility sample are
250 presented on Schedule 3.2.

251

252 20. Q. How did you measure stock price?

253 A. For each firm in the gas utility sample, I measured its current stock price with
254 its closing market price from December 1, 2000. Those stock prices appear
255 on Schedule 3.3.

256

257 Since a firm's current stock price reflects all relevant information available to
258 investors and, therefore, reflects the investors' assessment of the current
259 value of that firm's common stock, an observed change in the market price
260 does not necessarily indicate a change in the required rate of return on
261 common equity. Price changes may reflect an investor's re-evaluation of the
262 expected dividend growth rate. In addition, stock prices change with the
263 passage of time as dividend payment dates approach. Thus, when
264 estimating the required return on common equity with the DCF model, one

265 should measure the expected dividend yield and the corresponding
266 expected growth rate concurrently.

267
268 21. Q. Please explain the significance of the column titled, "Next Dividend Payment
269 Date," shown on Schedule 3.3.

270 A. Measuring the time period between each dividend payment date and the
271 one-year anniversary of the stock observation date is necessary to accu-
272 rately estimate the year-end dividend values of common stock. The
273 beginning of that time period is measured from the "Next Dividend Payment
274 Date". Subsequent dividend payments occur in quarterly intervals.

275
276 22. Q. How did you estimate the next four expected quarterly dividends?

277 A. Most utilities declare and pay the same dividend per share for four con-
278 secutive quarters before the dividend is adjusted. The quarterly DCF model
279 assumes a dividend will be adjusted during the same quarter that it was
280 increased the previous year. If the utility did not adjust the dividend per share
281 in the most recent four quarters, I assumed the dividends per share would
282 change during the next quarter. Schedule 3.3 presents the current quarterly
283 dividends. Schedule 3.4 presents the expected quarterly dividends.

284
285 23. Q. Based on your DCF analysis, what is the estimated required rate of return on
286 common equity for the gas utility sample?

287 A. The required rate of return on common equity for the gas utility sample is
288 10.89%, as shown on Schedule 3.5. The estimate is calculated using the
289 average growth rates shown on Schedule 3.2, the stock price and dividend
290 payment dates shown on Schedule 3.3, and the expected quarterly dividends
291 shown on Schedule 3.4.

292
293 **Risk Premium Analysis**

294 24. Q. Please describe the risk premium model.

295 A. The risk premium model explicitly recognizes the market-required rate of
296 return is equal to the risk-free rate of return, plus a risk premium for the
297 additional risk inherent in a particular security. The risk premium model is
298 consistent with the theory that investors are risk-averse and, consequently,
299 demand a risk premium above and beyond the risk-free rate of return for
300 assuming risk.

301
302 The Capital Asset Pricing Model ("CAPM") is a one-factor risk premium
303 model that recognizes that investors can minimize their risk through holding
304 diversified portfolios. The CAPM establishes a cost of equity which is equal
305 to the risk-free rate of return, plus a security-specific risk premium. The
306 security-specific risk premium is calculated by determining a risk premium
307 for the market and multiplying that risk premium by the risk of that security
308 relative to the market. In effect, the CAPM determines the compensation, or

investor required rate of return, for the quantity of market risk inherent in an investment, as unique, or non-market, risk may be eliminated through portfolio diversification. The CAPM is mathematically expressed as follows:

$$R_j = R_f + b_j (R_m - R_f)$$

Where:

R_j = the required rate of return for stock j ;

R_f = the risk-free rate;

R_m = the expected return for the market portfolio; and

b_j = beta, the measure of market risk for stock j .

Implementation of the CAPM requires estimates for the risk-free rate of return, the required rate of return on the market, and a security (or portfolio) specific measure of market risk.

25. Q. How did you estimate the risk-free rate of return?

A. I examined two estimates of the risk-free rate of return: the yields on three-month U.S. Treasury bills and thirty-year U.S. Treasury bonds.

26. Q. Why did you examine the yields on U.S. Treasury bills and bonds as measures of the risk-free rate?

A. Ideally, a proxy for the risk-free security will reflect comparable inflation and real risk-free rate expectations to the security being analyzed through the risk

331 premium model but will not contain a risk premium. Yields on fixed income
332 securities include premiums for default and interest rate risk. Default risk
333 pertains to the possibility the debtor will default on principal or interest
334 payments. U.S. Treasury securities are essentially free of default risk by
335 virtue of the federal government's fiscal and monetary authority. Interest rate
336 risk pertains to the possibility and effect of interest rate fluctuations on the
337 market value of a security.

338
339 Theoretically, common equity has an infinite life span, which implies the
340 inflation expectations embodied in the market-required rate of return of
341 common equity reflects the inflation rate anticipated to prevail in the long run.
342 Since U.S. Treasury bonds are issued with the longest term to maturity of any
343 U.S. Treasury security, they are more likely to incorporate within their yields
344 the inflation and real risk-free rate expectations that drive, in part, the prices
345 of common stock than Treasury notes or Treasury bills.

346
347 Nonetheless, due to relatively long terms to maturity, the interest rate risk
348 premium inherent in U.S. Treasury bond yields diminish their usefulness as
349 risk-free rate proxies. U.S. Treasury bills, the U.S. Treasury securities issued
350 with the shortest term to maturity, contain a smaller premium for interest rate
351 risk. In terms of interest rate risk, U.S. Treasury bill yields more accurately
352 measure the risk-free rate.

353

354 27. Q. Given that the inflation and real risk-free rate expectations that are reflected
355 in the yields on U.S. Treasury bonds and the prices of common stock are
356 similar, does it necessarily follow that the inflation and real risk-free rate
357 expectations that are reflected in the yields on U.S. Treasury bills and the
358 prices of common stocks are dissimilar?

359 A. No. In the long run, the inflation and real risk-free rate expectations of
360 investors, reflected in the yields on U.S. Treasury bonds, the yields on U.S.
361 Treasury bills, and the prices of common stock, should be equal. However,
362 short-term and long-term expectations may vary over relatively short periods,
363 making it necessary to evaluate whether the short and long-term nominal
364 risk-free rates are currently similar. If those expectations are similar, then the
365 U.S. Treasury bill is the appropriate risk-free rate proxy. If those risk-free
366 rates are dissimilar, then another proxy or a combination of proxies should
367 be used to determine the current nominal risk-free rate.

368

369 28. Q. What are the current yields on three-month U.S. Treasury bills and thirty-year
370 U.S. Treasury bonds?

371 A. As of December 1, 2000, three-month U.S. Treasury bills are yielding 6.38%;
372 thirty-year U.S. Treasury bonds are yielding 5.72%. Schedule 3.6 presents
373 the quotes and resulting yields.

374

29. Q. Of the U.S. Treasury bill and bond yields, which is currently a better proxy for the long-term risk-free rate?

A. In terms of the gross domestic product ("GDP") price index, WEFA forecasts the inflation rate will average 1.9% annually during the 2000-2019 period.¹³ In terms of the consumer price index ("CPI"), the *Survey of Professional Forecasters* ("Survey") forecasts the inflation rate will average 2.6% during the 2000-2009 period.¹⁴ In terms of real GDP growth, WEFA forecasts the real risk-free rate will average 3.2% during the 2000-2019 period.¹⁵ The *Survey* forecasts real GDP growth will average 3.1% during the 2000-2009 period.¹⁶ Those forecasts imply a long-term, nominal risk-free rate between 5.2% and 5.9%.¹⁷ Historically, the realized premium for interest rate risk in U.S. Treasury bond yields has averaged 1.4%.¹⁸ Therefore, to the extent inflation and real GDP growth expectations coincide with WEFA and *Survey* forecasts, the U.S. Treasury bond yield more closely approximates the long-term risk-free rate. Nevertheless, the presence of interest rate risk causes U.S. Treasury bond yields to overstate the long-term risk-free rate.

¹³ *U.S. Long-Term Economic Outlook*, vol. 1, WEFA Group, Third Quarter 2000, pp.4.4-4.5.

¹⁴ *Survey of Professional Forecasters*, Federal Reserve Bank of Philadelphia, www.phil.frb.org/files/spf/spfq400.txt. The Survey aggregates the forecasts of approximately 30 forecasters.

¹⁵ *U.S. Long-Term Economic Outlook*, vol. 1, WEFA Group, Third Quarter 2000, pp. 4.2-4.3.

¹⁶ *Survey of Professional Forecasters*, Federal Reserve Bank of Philadelphia, www.phil.frb.org/files/spf/spfq400.txt.

¹⁷ Nominal interest rates are calculated as follows:

$$r = (1 + R)(1 + i) - 1$$

Where: r = nominal interest rate;
 R = real interest rate; and
 i = inflation rate.

¹⁸ Ibbotson Associates, *Stocks, Bonds, Bills, and Inflation 1999 Yearbook*, p. 185.

391

392 30. Q. Please explain why the real risk-free rate and the GDP growth rate should be
393 similar.

394 A. Risk-free securities provide a rate of return sufficient to compensate
395 investors for the time value of money, which is a function of production
396 opportunities, time preferences for consumption, risk and inflation.¹⁹ The
397 real risk-free rate does not include premiums for risk or inflation; therefore,
398 only production opportunities and the consumption preferences affect it. The
399 real GDP growth rate measures output of goods and services without
400 reflecting inflation expectations and, as such, also reflects both production
401 and consumers' consumption preferences. Therefore, both the real GDP
402 growth rate and the real risk-free rate of return should be similar since both
403 are a function of production opportunities and consumption preferences
404 without the effects of a risk premium or an inflation premium.

405

406 31. Q. How was the expected rate of return on the market portfolio estimated?

407 A. The expected rate of return on the market portfolio was estimated by con-
408 ducting a DCF analysis on the firms composing the Standard & Poor's 500
409 Index ("S&P500"). This analysis employs quarterly dividends and closing
410 market prices for these firms as of September 29, 2000, as reported in the
411 October 2, 2000, edition of The Wall Street Journal. Growth estimates were

¹⁹ Brigham and Houston, Fundamentals of Financial Management, 8th edition.

obtained from the September 2000 edition of IBES Monthly Summary Data and September 29, 2000, December 1, 2000, and December 5, 2000, Zack's reports. Firms not paying a dividend as of September 29, 2000, were eliminated from the analysis. The resulting company-specific estimates of the expected rate of return on common equity were then weighted using relative market value data from Salomon Brothers, Performance and Weights of the S&P500: 3rd Quarter 2000. The estimated weighted average expected rate of return for the remaining 382 firms, composing 74.16% of the capitalization of the S&P500, equals 16.11%.

32. Q. How did you measure market risk on a security-specific basis?

A. Beta measures market risk. Specifically, beta measures the sensitivity of a firm's stock price to fluctuations in the market as a whole. I estimated the beta of the gas utility sample using the following least-squares technique:

$$R_{j,t} - R_{f,t} = a + b(R_{m,t} - R_{f,t}) + e_t$$

Where:

$R_{j,t}$ = the return on security j in period t ,

$R_{f,t}$ = the risk-free rate of return in period t ,

$R_{m,t}$ = the return on the market portfolio in period t ,

a = the intercept term for security j ;

b = beta, the measure of market risk for security j ; and

e_t = the residual term in period t for security j .

This beta estimation technique is accomplished in three steps. First, the U.S. Treasury bill yield was subtracted from the average percentage change in both sample stock prices and in the S&P500 in order to estimate each portfolio's monthly price return in excess of the risk-free rate. The monthly excess price returns of the sample were then regressed against the monthly excess price return on S&P500 to estimate a raw beta for the sample. Finally, the raw beta was adjusted to estimate a forward-looking beta, using the following formula:

$$b_{Adjusted} = 0.33743 + 0.66257 b_{Raw}.$$

33. Q. What is the beta estimate for the gas utility sample?

A. The gas utility sample's beta, estimated over the 60 months ending October 31, 2000, equals 0.50 after adjustment.

34. Q. What required rate of return on common equity does the risk premium model estimate for the gas utility sample?

A. The risk premium model estimates a required rate of return on common equity of 10.92% for the gas utility sample. The computation of the estimate appears on Schedule 3.6.

454

455

Cost of Equity Recommendation

456 35. Q. Based on your entire analysis, what is your estimate of the required rate of
457 return on common equity for the gas utility sample?

458 A. Both the application of financial models and the analyst's informed judgment
459 are necessary in a comprehensive analysis of the required rate of return on
460 common equity. Although an estimate of the required rate of return based
461 solely on judgment is inappropriate, judgment remains imperative in
462 evaluating the results of such analyses because techniques used to measure
463 the required rate of return on common equity necessarily employ proxies for
464 investor expectations. In addition to DCF and risk premium analyses, I
465 considered the observable 8.01% rate of return the market currently requires
466 on less risky A-rated utility long-term debt.²⁰ Based on my analysis, in my
467 judgement, the investor-required rate of return for the gas utility sample's
468 common equity ranges from 10.89% to 10.92%.

469

470 My estimate of the gas utility sample's investor-required rate of return on
471 common equity is not abridged, revised or biased.²¹ Although estimates for
472 individual companies are especially vulnerable to measurement error, the
473 use of a sample reduces the degree of measurement error in the analysis.

²⁰ *Moody's Long-Term Corporate Bond Yield Averages*, for the week ending December 1, 2000,
www.moodys.com/economics.nsf/web/economyd.

²¹ Except as discussed above in regard to U.S. Treasury bond yields as proxies for the long-term risk-free rate.

474

475 36. Q. Please summarize how you formed the range for the investor-required rate of
476 return on the gas utility sample's common equity.

477 A. I formed the range from the DCF-derived estimate of the required rate of
478 return on common equity of 10.89% and the CAPM-derived estimate of the
479 required rate of return on common equity of 10.92%.

480

481 37. Q. Are any adjustments to the sample's cost of common equity necessary?

482 A. Yes. Liquidity costs arise from the probability and financial consequences of
483 an investor's inability to sell an asset at the desired time at a predictable
484 price.²² The gas utility sample comprises market-traded companies whose
485 security prices do not reflect substantial liquidity costs. However, the security
486 prices of small gas utilities, such as Consumers, typically reflect significant
487 liquidity costs, which are largely due to the lack of a market for the securities
488 of such a company.

489

490 38. Q. How did you estimate the liquidity premium for Consumers' cost of equity?

491 A. A direct assessment of the liquidity premium in the cost of Consumers'
492 common equity cannot be performed since the cost of common equity to very
493 small gas utilities is not directly observable. Thus, I based Consumers'
494 liquidity premium on the 149 basis point difference between the current

²² Bodie, Kane and Marcus, *Investments*, Irwin, 1989 at 423.

8.01% yield on market-traded, A-rated long-term utility bonds and the current prime rate of 9.50%.²³ Therefore, in my judgment, a fair rate of return on common equity for Consumers equals the cost of common equity range for the gas utility sample, 10.89% to 10.92%, plus 149 basis points, or 12.38% to 12.41%.

39. Q. What required rate of return on common equity did Consumers propose for ratemaking purposes?

A. Consumers proposed a return on common equity of 13.00%.²⁴ No specific analyses support this rate of return on common equity.²⁵

The Company lists a number of reasons in support of a 13.00% rate of return on common equity, including a lack of business growth due to economic conditions in the Company's service territory, extremely weather sensitive revenues, and the need for operational capital. According to the Company, the economic risk related to an investment in Consumers is greater than the risk related to an investment in a publicly held company or other medium-sized gas distribution companies in central or northern Illinois, where the heating season is longer.²⁶

²³ Moody's Long-Term Corporate Bond Yield Averages, for the week ending December 1, 2000, www.moodys.com/economics.nsf/web/economyd.

²⁴ Company Exhibit CAR 01.

²⁵ Company response to data request RL 1.9, attached as ICC Staff Exhibit 3.0, Attachment 3.13.

²⁶ Company Exhibit CAR 01.

514

515 40. Q. Are there any problems with Consumers proposed return on common
516 equity?

517 A. Yes. The market-required rate of return on common equity is a function of
518 both operating and financial risks. However, the Company did not quantify
519 those risks. In contrast, my quantitative analysis incorporates financial and
520 operating risks that are relevant in estimating the cost of common equity
521 because my gas utility sample was selected using a set of ratios that reflects
522 the Company's risk characteristics. Therefore, my cost of equity estimate,
523 derived from the comparable sample analysis, embodies the risk
524 characteristics of the company.

525

526

Overall Cost of Capital Recommendation

527 41. Q. What is the overall cost of capital for Consumers?

528 A. As shown in Schedule 3.7, the overall cost of capital for Consumers is
529 10.81%. This estimate incorporates a 12.40% cost of common equity.

530

531 42. Q. Does this conclude your direct testimony?

532 A. Yes, it does.

CONSUMERS GAS COMPANY

Comparable Sample Analysis					Cumulative Distance
<u>Company Name</u>	<u>Factor 1</u>	<u>Factor 2</u>	<u>Factor 3</u>	<u>Factor 4</u>	
AGL Resources Inc.	0.033	0.074	-0.254	0.267	2.336
Laclede Gas Company	1.048	-0.146	-0.508	0.902	2.490
Peoples Energy Corp.	1.570	-0.115	-0.222	0.788	2.546
Nicor Inc.	2.850	0.899	-0.154	0.876	2.580
New Jersey Resources	-0.063	0.022	-0.764	1.024	2.607
Energy West Inc.	0.238	-0.293	-1.151	0.817	2.649
Piedmont Natural Gas Co.	0.511	-0.307	-0.120	1.173	2.902
Cascade Natural Gas Corp.	-0.300	-0.085	-0.071	1.159	2.997
Comparable Sample Average	0.736	0.006	-0.406	0.876	
Consumers Gas Company	1.012	1.971	-1.005	-0.311	

Source: Standard & Poor's, *Utility Compustat*.

CONSUMERS GAS COMPANY

Growth Rate Estimates

<u>Company Name</u>	<u>Zacks Earnings</u>	<u>IBES Earnings</u>	<u>Average</u>
AGL Resources Inc.	5.71%	5.95%	5.83%
Laclede Gas Company	3.67	3.67	3.67
Peoples Energy Corp.	5.44	6.25	5.85
Nicor Inc.	6.32	6.13	6.23
New Jersey Resources	6.63	6.50	6.57
Energy West, Inc.	NA	5.00	5.00
Piedmont Natural Gas Co.	6.00	5.67	5.84
Cascade Natural Gas Corp.	6.00	4.20	5.10

Sources: *Zack's Investment Research*, December 1, 2000.
Institutional Brokers Estimate System, November 15, 2000.

CONSUMERS GAS COMPANY

Company	Current Dividend				Next Dividend Payment	Stock Price
	D _{0.1}	D _{0.2}	D _{0.3}	D _{0.4}		
AGL Resources Inc.	\$0.270	\$0.270	\$0.270	\$0.270	03/01/01	\$22.4400
Laclede Gas Company	0.335	0.335	0.335	0.335	01/02/01	22.5600
Peoples Energy Corp.	0.490	0.500	0.500	0.500	01/15/01	41.7500
Nicor Inc.	0.390	0.415	0.415	0.415	02/01/01	38.6900
New Jersey Resources	0.430	0.430	0.430	0.430	01/02/01	40.6300
Energy West, Inc.	0.120	0.120	0.125	0.125	12/29/00	9.1300
Piedmont Natural Gas Co.	0.345	0.365	0.365	0.365	01/15/01	33.6900
Cascade Natural Gas Corp.	0.240	0.240	0.240	0.240	02/15/01	17.8800

Sources: The Wall Street Journal, December 4, 2000.
Standard & Poor's, *Utility Compustat*.

CONSUMERS GAS COMPANY

Company	Expected Quarterly Dividend			
	D _{1,1}	D _{1,2}	D _{1,3}	D _{1,4}
AGL Resources Inc.	\$0.286	\$0.286	\$0.286	\$0.286
Laclede Gas Company	0.335	0.347	0.347	0.347
Peoples Energy Corp.	0.500	0.529	0.529	0.529
Nicor Inc.	0.415	0.441	0.441	0.441
New Jersey Resources	0.440	0.458	0.458	0.458
Energy West, Inc.	0.125	0.125	0.131	0.131
Piedmont Natural Gas Co.	0.365	0.386	0.386	0.386
Cascade Natural Gas Corp.	0.252	0.252	0.252	0.252

Source: Schedules 3.2 and 3.3.

CONSUMERS GAS COMPANY

Cost of Equity Estimates

<u>Company Name</u>	<u>Cost of Equity</u>
AGL Resources Inc.	11.13%
Laclede Gas Company	10.10
Peoples Energy Corp.	11.12
Nicor Inc.	10.93
New Jersey Resources	11.30
Energy West, Inc.	10.94
Piedmont Natural Gas Co.	10.59
Cascade Natural Gas Corp.	<u>11.00</u>
AVERAGE	= 10.89%

CONSUMERS GAS COMPANY

Risk Premium Analysis

<u>U.S. Treasury Bills¹</u>		<u>U.S Treasury Bonds²</u>	
<u>Discount</u>	<u>Effective</u>	<u>Discount</u>	<u>Effective</u>
<u>Rate</u>	<u>Yield</u>	<u>Rate</u>	<u>Yield</u>
6.05%	6.38%	5.64%	5.72%

Risk Premium Cost of Equity Estimate

<u>Risk-Free</u>		<u>Beta</u>	<u>Risk Premium</u>	<u>Cost of</u>
<u>Rate</u>				<u>Common Equity</u>
5.72%	+	0.50	X (16.11%-5.72%) =	10.92%

¹ U.S. Treasury bill yields are quoted on a 360-day discount basis. The effective yield is determined as follows:

$$Effective\ yield = \left(1 + \frac{discount\ rate \times \left(\frac{days\ to\ maturity}{360} \right)}{1 - discount\ rate \times \left(\frac{days\ to\ maturity}{360} \right)} \right)^{\left(\frac{365}{days\ to\ maturity} \right)} - 1$$

where *days to maturity* equals ninety-one days.

² The bond equivalent yield on U.S. Treasury bonds represents a nominal rather than an effective yield. The effective yield is calculated as follows:

$$Effective\ yield = [1 + (bond\ equivalent\ yield \div 2)]^2 - 1.$$

CONSUMERS GAS COMPANY

STAFF PROPOSAL:

	<u>Amount</u>	<u>Percent of Total Capital</u>	<u>Cost</u>	<u>Weighted Cost</u>
Debt	\$1,066,286	39.83%	9.50%	3.78%
Preferred Stock	\$182,500	6.82%	6.00%	0.41%
Common Equity	<u>\$1,428,035</u>	<u>53.35%</u>	12.40%	<u>6.62%</u>
Total Capital	\$2,676,821	100.00%		

Weighted Average Cost of Capital = 10.81%

COMPANY PROPOSAL

	<u>Amount</u>	<u>Percent of Total Capital</u>	<u>Cost</u>	<u>Weighted Cost</u>
Long-Term Debt	\$942,220	39.81%	9.50%	3.78%
Short-Term Debt	\$162,308	6.86%	9.21%	0.63%
Preferred Stock	\$185,000	7.82%	6.00%	0.47%
Common Equity	<u>\$1,077,211</u>	<u>45.51%</u>	13.00%	<u>5.92%</u>
Total Capital	\$2,366,739	100.00%		

Weighted Average Cost of Capital = 10.80%

Sources: Company Schedule D-1
Schedules 3.5 and 3.6.

Oct 23 00 08:50a

Illinois Gas Company

618943 Docket Nos. 00-0575/00-0618
(Consolidated)
ICC Staff Exhibit 3.0
Attachment 3.8
Page 1 of 1

CONSUMERS GAS COMPANY

ICC Docket 00-0618

Response to Data Request RL-1.08

Submitted by: Paul G. Neff, USDI Consultant
618-943-3326

October 22, 2000

DATA REQUESTED:

Please explain how Consumers determined an estimated addition of \$70,071 to the common equity balance shown on schedule D-1. Please provide all sources, supporting work papers and documents.

RESPONSE:

The estimated addition to common equity of \$70,071 represents the average increase in common equity for the period of 1991 through 1999, less dividends (assumed to be the same as 1999).

The calculation is as follows:

1999 Ending Balance	\$1,049,340.
1991 Ending Balance	<u>38,903.</u>
Increase	\$1,010,437.
Divided by 9 = average	\$ 112,271
Less Dividends	<u>(42,200)</u>
Net estimated addition	\$ 70,071

The source for all data were ICC Form 21 for the years listed.

CONSUMERS GAS COMPANY

ICC Page 1 of 1

Response to Data Request RL1.6

Submitted by: C. A. Robinson, President
812-477-9030

October 20, 2000

DATA REQUESTED:

Please provide a monthly balance of short-term debt and construction-work-in-progress for all of 2000. In addition, please provide a forecasted monthly ending balance of short-term debt through July 31, 2001.

RESPONSE:

The short term debt for the Company in 2000 was as follows:

January	\$186,000
February	\$176,000
March	\$166,000
April	\$166,406
May	\$ 0*

* In May all outstanding debts were consolidating to a 5-year line of credit which is currently before the Commission for approval - ICC Docket No. 00-9584

There will be no short term debt after May 2000 as we will be using our 5-year line of credit for future short term money requirements.

CONSUMERS GAS COMPANY

ICC Docket

STAFF DATA REQUEST RL 4.1

C. A. Robinson, President
(812) 477-9030

REQUEST: Please provide the outstanding balance for the line-of-credit as of (1) September 30, 2000 and (2) October 31, 2000, for Consumers Gas Company.

RESPONSE:

1. September 30, 2000 outstanding balance was \$1,191,286.25
2. October 31, 2000 outstanding balance was \$1,291,286.25.

BALANCE SHEET
JUNE 30, 2000

Docket Nos. 00-0575/00-0618
(Consolidated)
ICC Staff Exhibit 3.0
Attachment 3.11
Page 1 of 4

ASSETS

INTANGIBLE PLANT

ORGANIZATION	\$45.44
FRANCHISES & CONSENTS	5,557.65

TOTAL INTANGIBLE PLANT

5,603.09

TRANSMISSION PLANT

LAND & LAND RIGHTS	193.99
RIGHTS-OF-WAY	1,097.94
STRUCTURES & IMPROVEMENTS	1,775.04
MAINS	1,085,844.84
MESA. & REGUL.STAT.EQUIP	28,944.88

TOTAL TRANSMISSION PLANT

1,117,856.69

DISTRIBUTION PLANT

DISTRIBUTION PLANT	13.32
LAND & LAND RIGHTS	7,631.51
STURCTURES & IMPROVEMENTS	19,562.08
MAINS	1,782,908.50
MEAS. & REGUL.STA.EQUIP.	328,757.13
SERVICES	1,597,196.17
METERS	543,295.97
HOUSE REGULATORS	3,792.70
OTHER EQUIPMENT	10,588.35

TOTAL DISTRIBUTION PLANT

4,293,745.73

GENERAL PLANT

STRUCTURES & IMPROVEMENTS	342,003.38
OFFICE FURN.& EQUIPMENT	49,416.14
COMPUTER EQUIPMENT	131,630.98
TRANS.EQUIP.-AUTO/OTHER	14,046.75
TRANSP.EQUIP.-AUTO	89,152.74
TOOLS,SHOP & GARAGE EQUIP.	39,315.12
LABORATORY EQUIP.	281.00
POWER OPERATED EQUIP.	67,531.36
COMMUNICATION EQUIP.	27,948.32
ACCUM.DEPR.-AUTO & POW.EQUIP	(156,391.72)
ACCUMDEPR.-DISTRIBUTION PLANT	(2,494,463.63)
ACCUM DEPR.- GENERAL	(311,147.02)
ACCUM.DEPR.-TRANSMISSION EQUIP	(1,045,495.68)

TOTAL GENERAL PLANT

(3,246,172.26)

CONSUMERS GAS COMPANY
BALANCE SHEET
JUNE 30, 2000

Docket Nos. 00-0575/00-0618
(Consolidated)
ICC Staff Exhibit 3.0
Attachment 3.11
Page 2 of 4

ASSETS

CURRENT ASSETS

1ST. NATIONAL BANK (CARMI)	\$(.04)	
BANTERRA BANK - RIDGWAY	16,911.02	
OLD NATIONAL BANK (E'VILLE)	48,152.20	
CITIZENS NAT'L BK. (ALBION)	14,685.83	
1ST. STATE BK. (WEST SALEM)	6,382.76	
ONE-MARKET MONITOR	350,985.92	
CASH ON HAND (CARMI)	700.00	
CASH ON HAND (OTHER)	563.00	
CASH ON HAND-E'VILLE	50.00	
A/R-GAS	165,816.55	
A/R DELINQUENT ACCOUNTS	16,528.84	
A/R DEFERRED PMT. AGREEMENT	1,052.65	
PROV. FOR UNCOLLECTABLE ACCTS	(73,507.69)	
PLANT MATERIAL & SUPPLIES	22,830.61	
MERCH. - MATERIAL & SUPPLIES	65.94	
GAS STORED UNDERGROUND	143,679.74	

TOTAL CURRENT ASSETS		714,899.33

OTHER ASSETS

AMORTIZED DEBT EXPENSE	9,093.34	

TOTAL OTHER ASSETS		9,093.34

CURRENT ASSETS

CLEARING ACCT.-TRANSP. EXP.	(6.49)	
CLEARING ACCT. - TOOLS & EQUIP	6.49	

TOTAL CURRENT ASSETS		.00

OTHER ASSETS

DEFERRED DEBIT - '99 RATE CASE	20,763.40	
DEFERRED TAX BENEFIT-NONCURR	28,668.00	

TOTAL OTHER ASSETS		49,431.40

TOTAL ASSETS		\$2,944,457.32
		=====

CONSUMERS GAS COMPANY
BALANCE SHEET
JUNE 30, 2000

Docket Nos. 00-0575/00-0618
(Consolidated)
ICC Staff Exhibit 3.0
Attachment 3.11
Page 3 of 4

LIABILITIES AND STOCKHOLDERS EQUITY

CURRENT LIABILITIES

IL STATE INCOME TAX PAYABLE	\$.02
FEDERAL INCOME TAX PAYABLE	(10.00)
ACCOUNTS PAYABLE - TRADE	140,017.89
REFUND DUE GAS ACCT.CUST.	(189,772.30)
CUSTOMER CASH REFUND	69,197.90
ACCRUED PENSION BENEFITS	814.11
EMPLOYEE INS. W/H PAYABLE	(319.64)
EMPLOYEE PENSION W/H	.09
TAXES ACCRUED-(GAS REVENUE)	(2,433.04)
TAX.ACCR.-(ICT#G-3)PUB.UTL	(518.49)
INVESTED CAPITAL TAX ACCURAL	87.29
IND.ST.W/H TAX PAYABLE	(6.70)
IL. ST. W/H TAX PAYABLE	(.01)
VAND.CTY.W/H TAX PAYABLE	(.01)
TAX COLLECT.PAY.-SALES&USE	1.43
TAX COLLECT.PAY.-MUN.UTL,	15,290.05
TAX COLLECT.PAY.-MUN.UTIL.	245.03
TAX COLLECT.PAY.-MUN.UTIL.	1,767.39
OTHER DEFERRED CREDITS	(100.00)
UNAMORTIZED INVESTMENT CR.	15,525.06
DEFERRED TAX LIABILITY	218,163.00

TOTAL CURRENT LIABILITIES

267,949.07

DEFERRED CREDITS

CAPITAL STOCK EXPENSE	(312.50)
TOTAL DEFERRED CREDITS	(312.50)

LONG-TERM LIABILITIES

NOTES PAYABLE - ONB	1,066,286.25
TOTAL LONG-TERM LIABILITIES	1,066,286.25

TOTAL LIABILITIES

1,333,922.82

SHAREHOLDERS EQUITY

COMMON CAPITAL STOCK	125,000.00
PREFERRED STOCK	185,000.00
PREMIUM CAPITAL STOCK	287,498.00
RETAINED EARNINGS - PRIOR	1,049,340.14
RETAINED EARNINGS-CURRENT YEAR	50,596.34
DIVIDEND DECLARED - PREFER.	(21,900.00)
DECLARED DIVIDEND-COMMON	(62,499.98)
REACQUIRED PREFERRED STOCK	(2,500.00)

CONSUMERS GAS COMPANY
BALANCE SHEET
JUNE 30, 2000

Docket Nos. 00-0575/00-0618
(Consolidated)
ICC Staff Exhibit 3.0
Attachment 3.11
Page 4 of 4

LIABILITIES AND STOCKHOLDERS EQUITY (Continued)

SHAREHOLDERS EQUITY (Continued)

TOTAL SHAREHOLDERS EQUITY

\$1,610,534.50

TOTAL LIABILITIES AND STOCKHOLDERS EQUITY

\$2,944,457.32
=====

ICC DOCKET NO. 00-0618
STAFF DATA REQUEST RL 1.5

CONSUMERS GAS COMPANY
C. A. ROBINSON - PRESIDENT
812/477-8030

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL FOR YEAR
For year 1995					
Total Operating Revenue					3,821,875
Operating Income					355,969
Operating Income Taxes					-
Net Income					257,178

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL FOR YEAR
For year 1996					
Total Operating Revenue	2,482,574	802,187	523,658	1,477,708	5,286,123
Operating Income	217,372	41,973	(66,307)	203,370	396,407
Operating Income Taxes				61,201	61,201
Net Income	217,372	41,973	(66,308)	54,057	247,094

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL FOR YEAR
For year 1997					
Total Operating Revenue	1,948,737	985,599	478,443	1,395,884	4,762,653
Operating Income	237,092	38,007	(102,780)	132,037	304,355
Operating Income Taxes	-	-	-	48,165	48,165
Net Income	237,092	38,007	(102,780)	83,872	211,368

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL FOR YEAR
For year 1998					
Total Operating Revenue	1,737,579	563,483	484,287	980,354	3,775,783
Operating Income	303,508	157,740	(82,760)	(150,881)	227,506
Operating Income Taxes	-	-	-	34,162	34,162
Net Income	303,508	157,740	(82,760)	(185,143)	193,344

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL FOR YEAR
For year 1999					
Total Operating Revenue	1,593,685	674,864	514,325	1,159,158	3,955,042
Operating Income	234,702	(19,105)	(263,192)	311,753	264,159
Operating Income Taxes	-	-	-	66,834	66,834
Net Income	234,702	(19,105)	(263,192)	244,919	132,132

NOTE: Quarterly figures for 1995 are unavailable.
As Consumers does not compile quarterly reports this review is based on monthly reports. Income tax is not figured by month but on annual year end close therefore is shown in 4th Quarter only.

Docket Nos. 00-0575/00-0618
(Consolidated)
ICC Staff Exhibit 3.0
Attachment 3.13

CONSUMERS GAS COMPANY

ICC Page 1 of 1

Response to Data Request RL1.9

Submitted by: C. A. Robinson, President
812-477-9030

October 20, 2000

DATA REQUESTED:

Please explain how Consumers determined a 13% return on equity, Please provide all analyses, including supporting sources, work papers, and documents.

RESPONSE:

Although there were no specific analyses performed, we did consider several factors in arriving at this amount.

As a small gas company, without a large industrial base, our revenues are extremely weather sensitive, which can adversely affect earnings from year to year, and therefore adds to the risk for our stockholders.

As we are currently allowed a 12.72% return on equity (as ordered in ICC Docket 92-0293) and in light of the trends in both the stock markets and interest rates, we felt that 13% was reasonable and justified.